

CLAIMS

Claim 1 is Currently Amended.

Claim 2 is Canceled.

Claims 3 to 5 are Currently Amended.

Claim 6 is Canceled.

Claim 7 is Currently Amended.

Claims 8 to 13 are Canceled.

Claims 14 to 19 are New.

1. (Currently Amended). A topical skin darkening composition comprising: (i) At least one tyrosinase substrate agent, and (ii) At least one tyrosinase activator agent.

2. (Canceled).

3. (Currently Amended). A composition according to claim 1 wherein, (i) From about 0.0001% to about 60% of at least one tyrosinase substrate agent for melanin synthesis boost, and (ii) From about 0.0001% to about 20% of at least one tyrosinase activator agent.

4. (Currently Amended). A composition according to claim 1 wherein tyrosinase substrate agent is selected from tyrosine, dihydroxy phenylalanine, L-DOPA, Mucuna pruriens extract, catechol, and their structural chemical analogs.

5. (Currently Amended). A composition according to claim 1 wherein tyrosinase activator agent is selected from copper ATP, Glutathione, Cystine, Cysteine, N-Acetyl-Cystine, N-Acetyl-Cysteine, copper cystine complex, copper cysteine complex, copper N-acetyl-cystine complex, copper N-acetyl-cysteine complex, copper tyrosine complex, copper L-DOPA complex, copper Mucuna pruriens complex, copper glutathione complex, copper carnosine complex, and combinations thereof.

6. (Canceled).

7. (Currently Amended). A composition according to claim 1 wherein a cosmetically acceptable delivery system or a carrier base is included.

8. (Canceled).

9. (Canceled).

10. (Canceled).

11. (Canceled).

12. (Canceled).

13. (Canceled).

14. (New). A composition according to claim 4, wherein tyrosinase substrate agent is *Mucuna pruriens* extract.

15. (New). A composition according to claim 5, wherein tyrosinase activator agent is copper ATP, also known as copper adenosine triphosphate.

16. (New). A composition according to claim 7, wherein a cosmetically acceptable delivery system is selected from a lotion, cream, gel, spray, thin liquid, body splash, mask, serum, solid cosmetic stick, lip balm, shampoo, liquid soap, bar soap, bath oil, cologne, hair conditioner, salve, collodion, impregnated patch, impregnated strip, or skin surface implant.

17. (New). The compositions according to claim 7, wherein the cosmetically or pharmaceutically acceptable carrier base is selected from traditional water and oil emulsions, suspensions, colloids, microemulsions, clear solutions, suspensions of nanoparticles, emulsions of nanoparticles, powders, or anhydrous compositions.

18. (New). A composition according to claim 16, wherein a cosmetically acceptable delivery system is a lotion.

19. (New). The compositions according to claim 17, wherein the cosmetically or pharmaceutically acceptable carrier base is a water and oil emulsion.